

Computerized Patient Record System GUI v32a

Release Notes



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Department of Veterans Affairs

Office of Information and Technology (OI&T)

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1. Introduction

These Release Notes describe the new features and changes to the CPRS software that are a part of CPRS GUI version 32a, which includes both a GUI executable and an M patch, OR*3.0*539.

CPRS GUI v32a includes new features, enhancements to existing features, and defect corrections.

Below is a list of all the applications involved in this project along with their patch numbers:

APPLICATION/VERSION	PATCH

TEXT INTEGRATION UTILITIES v1.0	TIU*1.0*339
ADVERSE REACTION TRACKING v4.0	GMRA*4.0*63
CONSULT/REQUEST TRACKING v3.0	GMRC*3.0*84
GEN. MED. REC. – VITALS v5.0	GMRV*5.0*43
MENTAL HEALTH V5.01	YS*5.01*170
LAB SERVICE V5.2	LR*5.2*544
ORDER ENTRY/RESULTS REPORTING v3.0	OR*3.0*539

The patches are being released in the KIDS multi-package build, CPRS V32A COMBINED BUILD 1.0.

2. Purpose

These release notes summarize the changes to CPRS GUI v32a.

3. Audience

This document targets CPRS GUI v32a users and administrators.

4. This Release

The following sections provide a summary of the new features and functions, enhancements and modifications to the existing software, and any known issues for CPRS GUI v32a.

4.1. Non-CPRS Features that Affect CPRS Functionality

There were no changes in software outside of CPRS that affected CPRS functionality.

4.2. New Features and Functions Added

The following are the new and enhanced features and functions added to the CPRS GUI v32a release.

4.2.1. Real-Time Notification of Potentially Missed Order Checks (NSR 20060710)

After you enter a patient allergy, the CPRS GUI now displays a warning if a reactant selected is a drug ingredient that will not support a drug allergy order check at the drug class level.

After you enter a new allergy, if you click on any drug ingredient listed in the Drug Ingredients File dropdown, you will get a notification that Drug Class cross checking will not occur unless you check the checkbox, as shown in the screenshot below. The notification is highlighted in red for emphasis.

Causative Agent Lookup

Enter causative agent for Allergy or Adverse Drug Reaction:

Enter the FIRST FEW LETTERS of the causative agent (minimum of 3) to allow for a comprehensive search. Only one reactant may be entered at a time

Search for:

capto

Search

Select one of the following items ☐ No Known Allergies

▼ 17 matches found.

- ✗ VA Allergies File (no matches)
- ✓ **National Drug File - Generic Drug Name (Incl. Drug Class & Ingredient) (2)**
 - CAPTOPRIL/HYDROCHLOROTHIAZIDE
 - CAPTOPRIL
- > ✓ National Drug file - Trade Name (Incl. Drug Class & Ingredient) (14)
- ✗ Local Drug File (no matches)
- ✓ **Drug Ingredients File (1)**
 - CAPTOPRIL
- ✗ VA Drug Class File (no matches)
- > ✓ Add new free-text allergy (1)

Select from the matching entries on the list, or search again.

☐ If this is a reaction only to the ingredient selected (CAPTOPRIL), check the box to continue. If it may be a reaction to other drugs in the same class, please select an item higher on the list.

OK Cancel

4.2.2. Allergy Order Check Enhancement (NSR 20070203)

When a new allergy is documented for a patient with an active drug profile, that new allergy is now compared to the active profile for any potential adverse reactions.

The system now checks the current active Patient Medication Profile against any new allergy/ADR entries using CPRS, VistA IP/OP Pharmacy and Adverse Reaction Tracking.

If an Active medication order is found, the system will show users that a notification will be sent to providers. The notification is based on recipients for the NEW ALLERGY

ENTERED/ACTIVE MED notification. A user can add additional recipients to receive this notification. Upon selection of the notification in the CPRS GUI, the user will be taken to view the appropriate order.

Here is an example of the allergy order check enhancement on an existing medication order, which will be found when a new allergy is entered:

Vista CPRS in use by: [User Icon] A .E 20 MINUTE Sep 04,20 13:03 No PACT assigned at any VA location PDMP Query Flag VistAWeb Remote Data Postings AD

COVID-19 Not Tested

View Orders Active Orders (includes Pending & Recent Activity) - ALL SERVICES

Service	Order	Start / St...	P	Nurse	Clerk	Chart	Status	Location
	PENICILLIN VK TAB 250MG TAKE ONE TABLET BY MOUTH TWICE A DAY Quantity: 60 Refills: 0			M			pending	20 Minute
	ALCETAZOLAMIDE TAB 125MG TAKE ONE TABLET BY MOUTH TWICE A DAY Quantity: 60 Refills: 0			M			pending	20 Minute
	Discontinue AMOXAPINE TAB 50MG TAKE ONE TABLET BY MOUTH TWICE A DAY Quantity: 60 Refills: 0 "UNSIGNED" <Per Policy>			C			unreleased	20 Minute
	AMOXAPINE TAB 50MG TAKE ONE TABLET BY MOUTH TWICE A DAY Quantity: 60 Refills: 0			C			pending	20 Minute
	Discontinue CODEINE TAB 30MG TAKE ONE TABLET BY MOUTH 3ID Quantity: 10 Refills: 0 "UNSIGNED" <Per Policy>			C			unreleased	20 Minute

Write Delayed Orders

Write Orders

Return To Clinic

Diet Order

Vital Signs

Inpatient Medications

Outpatient Medications

Infusion

Supplies

Cover Sheet Problems Meds Orders Notes Consults Surgery D/C Summ Labs Reports

In the screenshot below, a user enters a new allergy for the existing medication order and clicks OK, successfully entering the new allergy. The existing medication search will begin at this time.

Enter Allergy or Adverse Reaction

General

☐ No Known Allergies

Active Allergies

Causative agent: **PENICILLIN** ...

Originator: ...

Origination Date: Jan 5, 2021 ...

Reaction Date/Time: ...

Nature of Reaction: Allergy

Severity: Moderate ?

Signs/Symptoms:

- NAUSEA,VOMITING
- ANXIETY
- ITCHING,WATERING E
- ANOREXIA
- DROWSINESS
- NAUSEA,VOMITING**
- DIARRHEA
- HIVES
- DRY MOUTH
- DRY NOSE

Selected Symptoms:

- ANXIETY
- DIARRHEA
- NAUSEA,VOMITING**

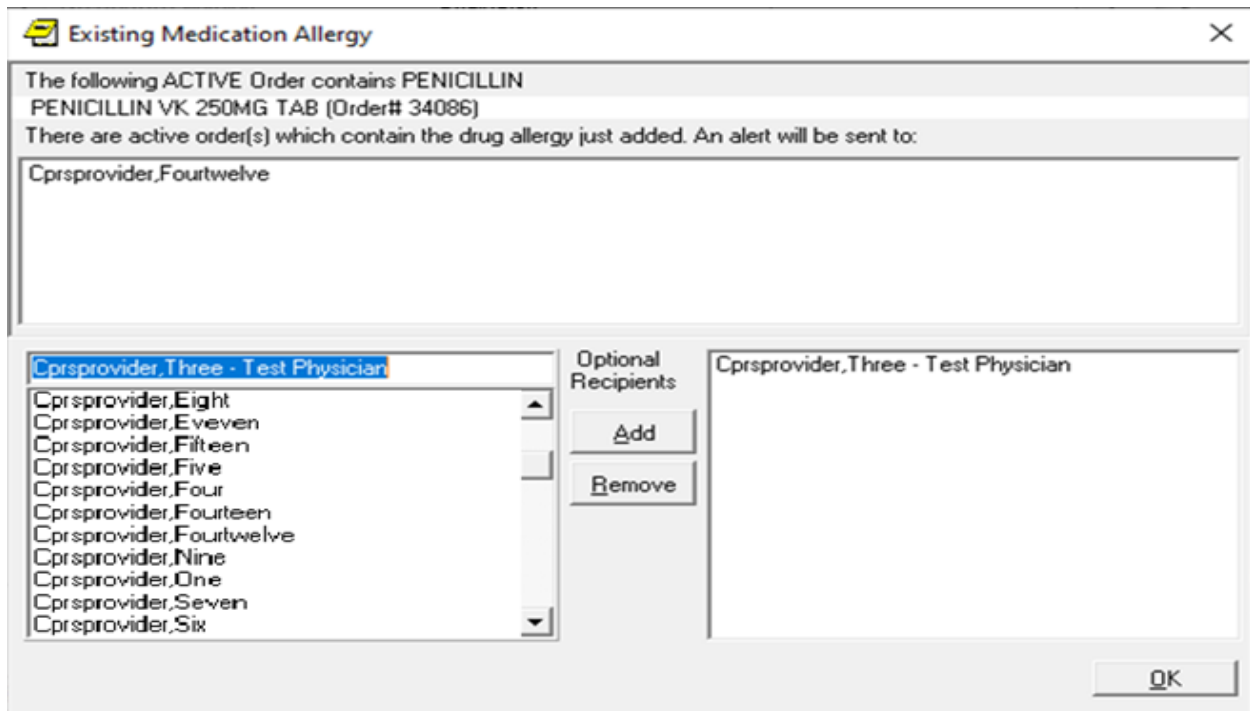
Comments: Testing new allergy for existing medication order.

Remove

☐ ID Band Marked

OK Cancel

If an existing medication is found, the user will see a notification. If more than one medication order is found, the user will see multiple dialogs, one after the other listing the appropriate information. The notification shows 1) the existing medication order name and order number, and 2) the list of recipients based on the order and the Set Provider Recipients for Notifications [ORB3 PROVIDER RECIPIENTS] option settings for the notification. The user will be able to add additional notification recipients.



Existing Medication Allergy

The following ACTIVE Order contains PENICILLIN
 PENICILLIN VK 250MG TAB (Order# 34086)

There are active order(s) which contain the drug allergy just added. An alert will be sent to:

Cprspvvider,Fourtwelve

Cprspvvider,Three - Test Physician

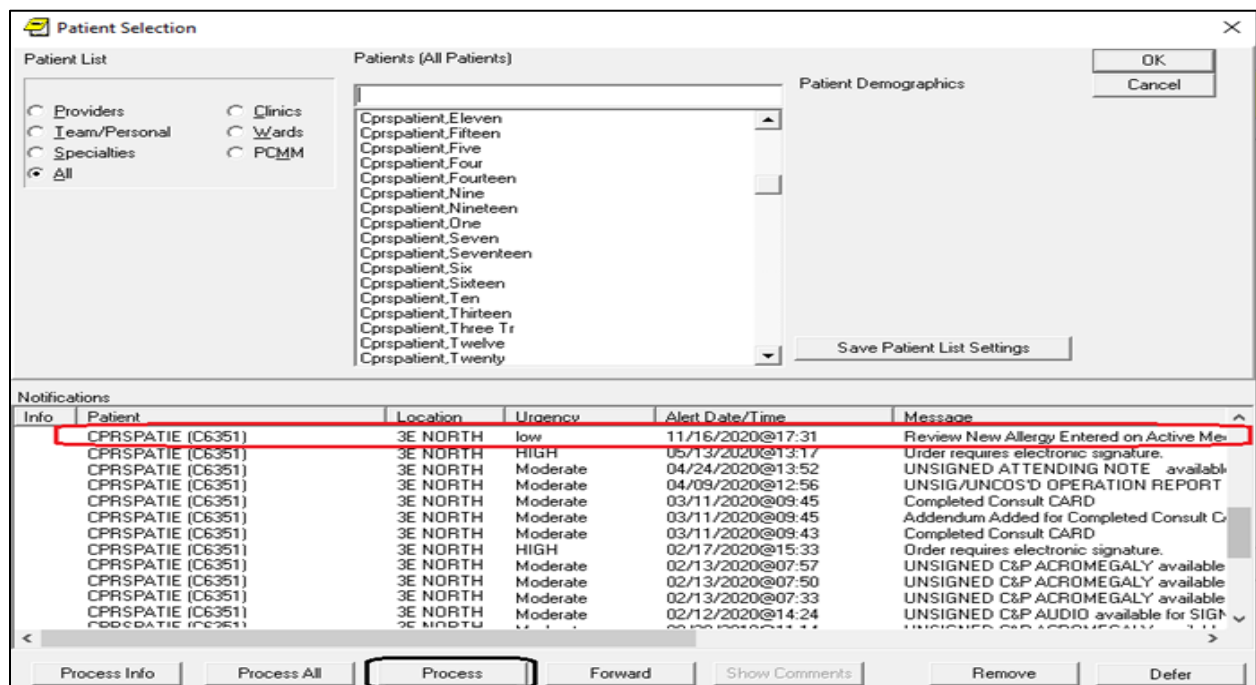
Optional Recipients

Add

Remove

OK

The notification will display with the text "Review New Allergy Entered on Active Med". When a user processes the alert, it gets processed for all other recipients.



Patient Selection

Patient List

Providers
 Team/Personal
 Specialties
 All

Clinics
 Wards
 PCMM

Patients (All Patients)

Cprspatient, Eleven
 Cprspatient, Fifteen
 Cprspatient, Five
 Cprspatient, Four
 Cprspatient, Fourteen
 Cprspatient, Nine
 Cprspatient, Nineteen
 Cprspatient, One
 Cprspatient, Seven
 Cprspatient, Seventeen
 Cprspatient, Six
 Cprspatient, Sixteen
 Cprspatient, Ten
 Cprspatient, Thirteen
 Cprspatient, Three Tr
 Cprspatient, Twelve
 Cprspatient, Twenty

Patient Demographics

OK

Cancel

Save Patient List Settings

Notifications

Info	Patient	Location	Urgency	Alert Date/Time	Message
	CPRSPATIE (C6351)	3E NORTH	low	11/16/2020@17:31	Review New Allergy Entered on Active Med
	CPRSPATIE (C6351)	3E NORTH	HIGH	05/13/2020@13:17	Order requires electronic signature.
	CPRSPATIE (C6351)	3E NORTH	Moderate	04/24/2020@13:52	UNSIGNED ATTENDING NOTE available
	CPRSPATIE (C6351)	3E NORTH	Moderate	04/09/2020@12:56	UNSIGNED C&P ACROMEGALY available
	CPRSPATIE (C6351)	3E NORTH	Moderate	03/11/2020@09:45	Completed Consult CARD
	CPRSPATIE (C6351)	3E NORTH	Moderate	03/11/2020@09:45	Addendum Added for Completed Consult C
	CPRSPATIE (C6351)	3E NORTH	Moderate	03/11/2020@09:43	Completed Consult CARD
	CPRSPATIE (C6351)	3E NORTH	HIGH	02/17/2020@15:33	Order requires electronic signature.
	CPRSPATIE (C6351)	3E NORTH	Moderate	02/13/2020@07:57	UNSIGNED C&P ACROMEGALY available
	CPRSPATIE (C6351)	3E NORTH	Moderate	02/13/2020@07:50	UNSIGNED C&P ACROMEGALY available
	CPRSPATIE (C6351)	3E NORTH	Moderate	02/13/2020@07:33	UNSIGNED C&P ACROMEGALY available
	CPRSPATIE (C6351)	3E NORTH	Moderate	02/12/2020@14:24	UNSIGNED C&P AUDIO available for SIGN

Process Info

Process All

Process

Forward

Show Comments

Remove

Defer

Processing the notification on the CPRS GUI will take the user to the Orders tab and display the New Allergy Conflict view. It will list the specific Order related to the notification processed.

VistA CPRS in use by: Cprsprvider,Seventeen

File Edit View Action Options Tools Help

CPRSPATIENT,JCOUTPATIENT (OUTPATIENT) Visit Not Selected No PACT assigned at any MHV Flag VistAWeb Postings AD

Provider: CPRSPROVIDER,SEVENTEEN

Pt Insur Remote Data

View Orders

New Allergy Conflict

Service	Order	Start / Stop	F	M	C	C	Status	L...
Out. Meds	Hold ASPIRIN TAB 325MG TAKE ONE TABLET BY MOUTH TWICE A DAY Quantity: 60 Refills: 5	Start: 08/02/19 11:04	Cx				hold	0

Write Delayed Orders

Write Orders

- Blood Products
- YSQ VBECS QO
- QO MED W TEMPLATE
- Diet Order
- Vital Signs
- SUPPLIES
- Outpatient Meals
- Inpatient Medications
- Outpatient Medications
- Infusion
- Non VA Medications (Documentation)

A new clinical report has been added to the Reports tab. When the user clicks on **Pharmacy → Active Meds With Allergies**, a list of reports of medications affected by an allergy entered for a patient will appear. When the user clicks on a report, details about the allergy and the medication will appear.

VistA CPRS in use by:

File Edit View Tools Help

A .E 20 MINUTE Sep 04,20 13:03 No PACT assigned at any VA location POMP Query Flag VistAWeb Postings AD

COVID-19 Not Tested

Available Reports

- Clinical Reports
 - Allergies
 - Patient Information
 - Visits / Admissions
 - Comp & Pen Exams
 - Dietetics
 - Discharge Summary
 - Laboratory
 - Medicine/CP
 - Orders
 - Outpatient Encounters / GAF S
 - Pharmacy
 - All Medications
 - Active Outpatient
 - Outpatient Medications
 - Outpatient RX Profile
 - Active IV
 - All IV
 - Unit Dose
 - Med Admin History (BCMA)
 - Med Admin Log (BCMA)
 - Herbal/OTC/Non-VA Meds
 - Women's Health Potentially
 - Active Meds With Allergies

Pharmacy Active Meds With Allergies

Medication	Status	In/Out	Type	Start Date/Time	Stop Date/Time	Last Fill Date	Provider	Instructions
PENICILLIN VK 250MG TAB	ACTIVE	OUT	RX	01/05/2021	01/06/2022	01/05/2021	M	Sig TAKE ONE TABLET BY M...

Allergy Details:

Causative agent: PENICILLIN

Symptoms: ANXIETY, DIARRHEA and NAUSEA,VOMITING

Drug Class: AM114 (INACTIVE) PENICILLINS

Originator: CAMP MASTER

Originated: JAN 05, 2021

Observed/Historical: HISTORICAL

Obs Dates/Severity: - MODERATE

Facility: CAMP MASTER

4.2.3. Order Flag Recommendations (NSR 20110719)

There are several enhancements to the Order Flag functionality:

- On the Flag Order screen, the Reason field now allows up to 240 characters, you can select multiple recipients to receive the alert and you can set up a “No Action Alert”, an informational alert that the user doesn’t need to act on.

In the screenshot below, the user has changed the “No Action Alert” date by clicking on the ellipsis and three recipients have been added.

The screenshot shows the 'Flag Order' window. At the top, it says '* Denotes the Required Fields'. Under 'Order Details', it lists: 'ACETAMINOPHEN TAB 325MG', 'TAKE ONE TABLET BY MOUTH EVERY MORNING AS NEEDED', 'Quantity: 30 Refills: 3 *UNSIGNED*', and 'Provider: CPRSPROVIDER,FOURTY'. Below this is the '* Reason' section with a dropdown menu set to 'Order needing clarification'. The 'Flag Notification Recipients' section has a list of providers on the left, including 'Cprsprovider,Five' (which is selected), and a list of added recipients on the right: 'Cprsprovider,Eveven', 'Cprsprovider,Fifteen', and 'Cprsprovider,Five'. There are 'Add', 'Remove', and 'Remove All' buttons between the lists. At the bottom, the 'No Action Alert' section has a checked box for 'Create a No Action Alert' and a date/time field set to 'Feb 12,2021@20:31'. The window ends with 'Flag' and 'Cancel' buttons.

- The GUI Parameter Menu has a new menu option, GUI Order Flagging/Unflagging Setup, which contains the following flagging parameter: OR FLAG ORDER EXPIRE DEFAULT. This parameter sets the default number of hours that the GUI Order Flag will be active. If you do not set this parameter, the default will be twenty-four hours.
- You can now comment on the flagged order by accessing the Action menu and clicking on the Flag Comment option or right-clicking on a flagged order and then, clicking on the Flag Comment option, as shown in the screenshot below.

File Edit View Action Options Tools Help

CPRSPATIENT_ONE (INPATIENT) **AUD Jan 05,21 15:44** No PACT assigned at any VA location
 666-62-6351 Oct 10,1960 (60) Provider: CPRSPROVIDER,FOURTWELVE (Inpatient) Attending: - (Inpatient) Provid

COVID-19 Not Tested

View Orders Active Orders (includes Pending & Recent Activity) - ALL SERVICES

Service	Order	Start / Stop
Out. Meds	ACETAMINOPHEN TAB 325MG TAKE ONE TABLET BY MOUTH EVERY MORNING AS NEEDED Quantity: 30 Refills: 3 *U	
Diet	REGULAR Diet	Start: 03/10/20
Out. Meds	ACETAMINOPHEN TAB 325 TAKE ONE TABLET BY MOUTH unflagging Quantity: 30 Refills: 3 *UNSIG	
Inpt. Meds	ACARBOSE TAB 25MG PO QAM TAKE WITH I	Start: 12/18/20 09:00
Consults	CARDIOLOGY Cons Bedside	Start: 03/10/20 14:37
	COLUMBUS OPC Cons Bedside	Start: 03/10/20 14:34
	JEANIE'S SERVICE Cons Bedside	Start: 03/10/20 13:19

Write Delayed Orders

Write Orders

Return To Clinic

Diet Order

Vital Signs

Inpatient Medications

Outpatient Medications

Infusion

Supplies

Laboratory

Blood Products

Imaging

Consults

Clinic Infusions

Clinic Medications

Details...

Results...

Results History...

Change...

Change Release Event

Copy to New Order...

Discontinue...

Renew...

Flag...

Flag Comment...

Unflag...

Allow Multiple Assignment

In the screenshot below, the user is adding a comment to the flagged Order.

Comment Order Flag

* Denotes the Required Fields

Order Details

ACETAMINOPHEN TAB 325MG
TAKE ONE TABLET BY MOUTH EVERY MORNING AS NEEDED
Quantity: 30 Refills: 3 *UNSIGN

Provider: CPRSPROVIDER,FOURTWELVE
Location: AUDIOLOGY
Start:
Status: unreleased
Group: Out. Meds
Recipients:
NURSE_ONE (NURSE) added on 01/05/2021 15:58
CPRSPROVIDER_ONE added on 01/05/2021 15:58

* Comment

Adding additional comment to the existing comment.

Add Recipients

Add Comment

Cancel

- The Order Details page now has details about flagging, including order flag history, as shown in the screenshot below.

ACETAMINOPHEN TAB 325MG
 TAKE ONE TABLET BY MOUTH EVERY MORNING AS NEEDED
 Quantity: 30 Refills: 3 'UNSIGNED'
 Activity:
 01/05/2021 15:45 New Order entered by CPRSPROVIDER,ONE
 Order Text: ACETAMINOPHEN TAB 325MG
 TAKE ONE TABLET BY MOUTH EVERY MORNING AS NEEDED
 Quantity: 30 Refills: 3
 Nature of Order: ELECTRONICALLY ENTERED
 Ordered by: CPRSPROVIDER,FOURTWELVE
 Status: UNSIGNED
 Flagged by: CPRSPROVIDER,ONE on 01/07/2021 10:04
 Order needing clarification ASAP
 No Action Alert: 01/08/2021 09:03
 Recipients: CPRSPROVIDER,TEN added on 01/07/2021 10:04
 Comments by: CPRSPROVIDER,TEN on 01/07/2021 10:10
 Reduce the dose to 200mg
 Order Flag History
 Flagged by: CPRSPROVIDER,ONE on 01/05/2021 15:58
 Order needing clarification1, Order needing clarification2, Order needing clarification3, Order needing clarification, Order needing
 No Action Alert: 01/06/2021 14:56
 Recipients: NURSE,ONE (NURSE) added on 01/05/2021 15:58 by CPRSPROVIDER,ONE
 CPRSPROVIDER,ONE added on 01/05/2021 15:58 by CPRSPROVIDER,ONE
~~CPRSPROVIDER,ONE~~ (SYSTEMS ADMINIS) added on 01/06/2021 11:41 by NURSE,ONE (NURSE)
 Comments by: CPRSPROVIDER,ONE on 01/05/2021 16:20
 Adding additional comment to the existng comment.
 NURSE,ONE (NURSE) on 01/05/2021 16:22
 Comments added by Nurse One
 NURSE,ONE (NURSE) on 01/06/2021 11:41
~~CPRSPROVIDER,ONE~~
 CPRSPROVIDER,ONE on 01/07/2021 09:59
 Adding more comments.
 Unflagged by: CPRSPROVIDER,ONE on 01/07/2021 10:01
 Testing for unflagging.
 Current Data:

- Two new flagging notifications have been added: “Comment Added to Flagged Order: <drug>” and “Order flag expired for <drug> on <date>”, as shown in the highlighted examples in the screenshot below.

Patient Selection

Patient List

Providers
Team/Personal
Specialties
All

Clinics
Wards
PCMM

Patients (All Patients)

Seven, Outpatient

Avivapatient, Eight
Avivapatient, Five
Avivapatient, Four
Avivapatient, Nine
Avivapatient, One
Avivapatient, Seven
Avivapatient, Six
Avivapatient, Ten
Avivapatient, Three
Avivapatient, Two
Bcma, Eight
Bcma, Eighteen-Patient
Bcma, Eighty-Patient
Bcma, Eighty-eight-Patient

Patient Demographics

OK
Cancel

Save Patient List Settings

Notifications

Info	Patient	Location	Urgency	Alert Date/Time	Message	Forward
			Moderate	02/03/2021@12:06	Order(s) needing clarification: Flagged 02/03 12:06.	
			Moderate	02/04/2021@14:11	Order(s) needing clarification: Flagged 02/04 14:11.	
			Moderate	02/10/2021@12:13	Order(s) needing clarification: Flagged 02/10 12:13.	
			Moderate	02/12/2021@12:34	Order(s) needing clarification: Flagged 02/12 12:34.	
			Moderate	02/12/2021@12:32	Order(s) needing clarification: Flagged 02/12 12:32.	
			low	01/14/2021@14:27	Comment Added to Flagged Order: METOPROLOL TARTRA...	
			low	02/04/2021@14:15	Comment Added to Flagged Order: Non-VA ASPIRIN	
L	CPRSPATIE (C6351)	3E NORTH	HIGH	01/09/2021@14:30	Order flag expired for WARFARIN TAB on 01/09/2021 14:21	
L	CPRSPATIE (C6351)	3E NORTH	HIGH	01/12/2021@00:00	Order flag expired for ACETAMINOPHEN TAB on 01/11/20...	

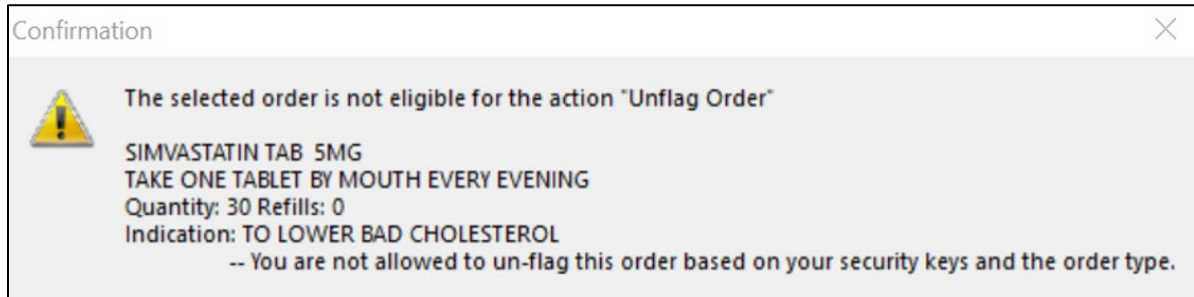
Process Info Process All Process Forward Show Comments Remove Defer

4.2.4. Change in Unflagging Capabilities (NSR 20071103)

CPRS is now enabling sites to restrict which users can unflag an order.

- Two parameters have been added to the new GUI Order Flagging/Unflagging Setup menu:
 - OR UNFLAGGING RESTRICTIONS: Permits the CPRS GUI application to enable/disable unflagging restrictions on flagged orders. This parameter can be set at the Package, System, and Division levels. The OR*3*539 patch sets this flag to “Yes” at the package level.
 - OR UNFLAGGING MESSAGE: Allows the CPRS GUI application to set a customized message to send to users who cannot unflag an order because they do not have the proper security key. This parameter can be set at the Package, System, and Division levels. The OR*3*539 patch sets this message to “You are not allowed to un-flag this order based on your security keys and the order type”.
- The Order Unflagging Key Setup option has been added to the GUI Order Flagging/Unflagging Setup menu.
- To unflag an order, the user must meet one of the following requirements:
 - The user is assigned the ORES key

- The user is assigned another security key that the site designates (the site can determine which keys can unflag orders)
 - The user is the person who flagged the order
 - The user is a flag order recipient
- If a user tries to unflag an order, but does not have the correct security key, the error message listed on the screenshot will display:



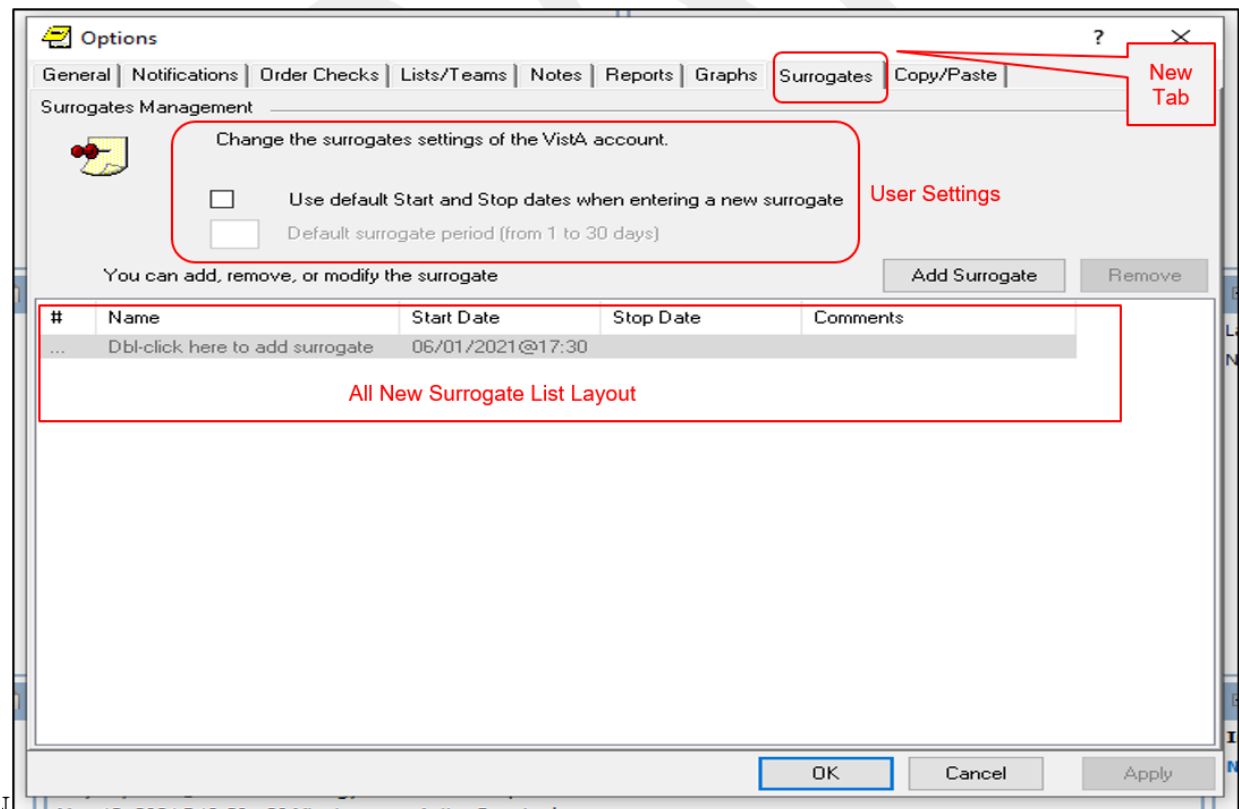
4.2.5. Update Surrogate Management Functionality within CPRS GUI (NSR 20171216)

Surrogate Management functionality within the CPRS GUI has been updated to match the functionality provided by the List Manager/Kernel settings.

Surrogate Management functionality is in a new location on the CPRS GUI. It has been removed from the Notifications tab and now has its own tab in in the **Tools | Options** section.

The Surrogates tab allows you to add, edit and remove multiple surrogates for a provider on a single screen. It displays a list of all current and future surrogates and prevents you from scheduling more than one surrogate for the same date/time period.

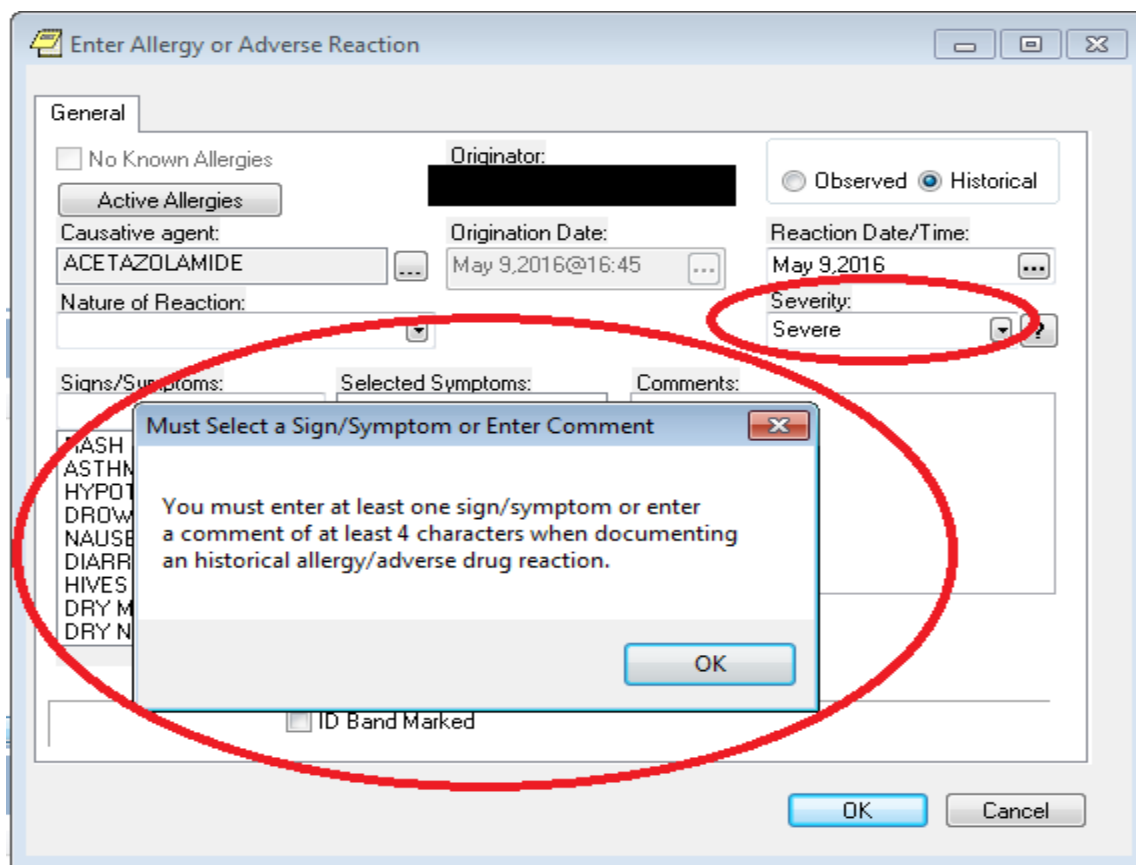
The screenshot displays the updates to the Surrogate functionality.



4.2.6. Adverse Reaction Reporting File Modification (NSR 20120404)

CPRS now requires you to enter at least one Sign/Symptom or enter a comment of at least four characters when documenting a historical allergy/adverse drug reaction. You now have the option to enter the severity level for an historical reaction.

When entering a historical allergy, you will now receive an error message if you do not select a symptom or have a comment of four or more characters, as shown in the screenshot below.

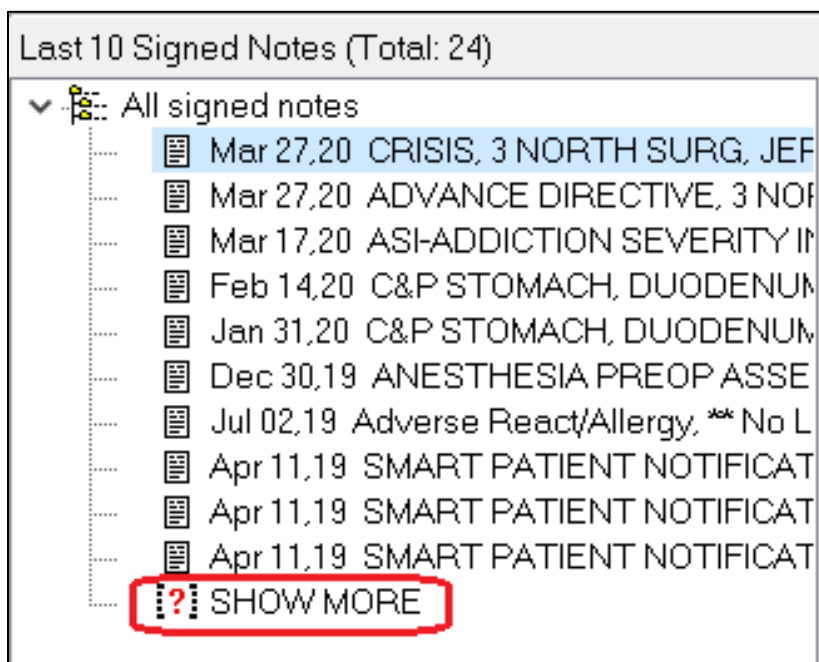


4.2.7. Progress Notes Display Misleading (Addresses HITPS-397) (NSR 20070817)

CPRS has been modified to display more complete progress notes lists. Currently on the Notes tab, under the **View | Custom View** menu option, you can specify a maximum number of notes to display by inputting a value in the Max Number to Return field. CPRS has added two features on the tree view for the Progress Notes display: a “Show More” item and another display category called “Older signed notes with recent addenda”.

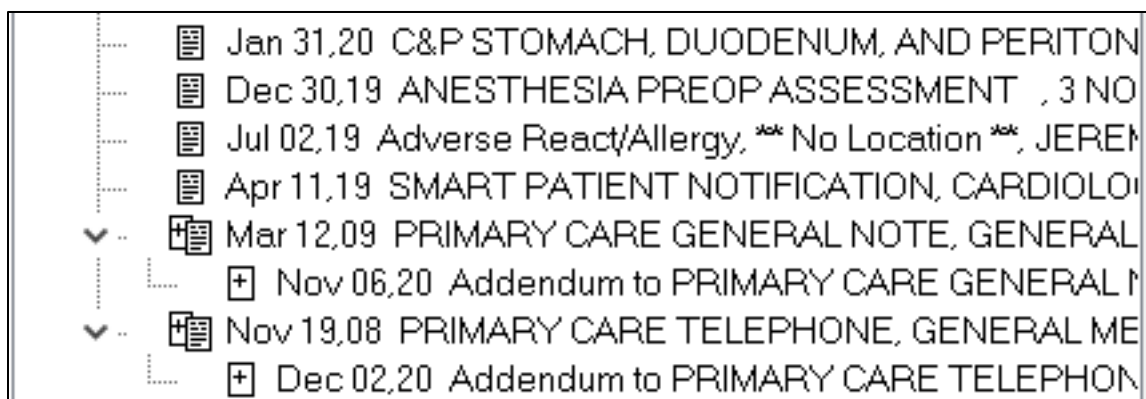
- **Show More:** If the user has more notes available than the maximum allowed, a “Show More” entry displays in the tree view. If the user double clicks “Show More”, CPRS downloads another set of notes as the initial maximum. If there are still more notes available, “Show More” appears again until there are no more notes to display.

In the screenshot below, if the select patient has 300 total notes and the Maximum Number of Notes is set to 30, when the Notes tab initially opens, 30 Notes will display in the tree view. A Show More item will display at the end of the tree view because there are more notes. If the user selects Show More, another 30 notes will be listed. If the user selects Show More again, another 30 notes and the Show More item will display. This process will continue until all the notes have been listed.

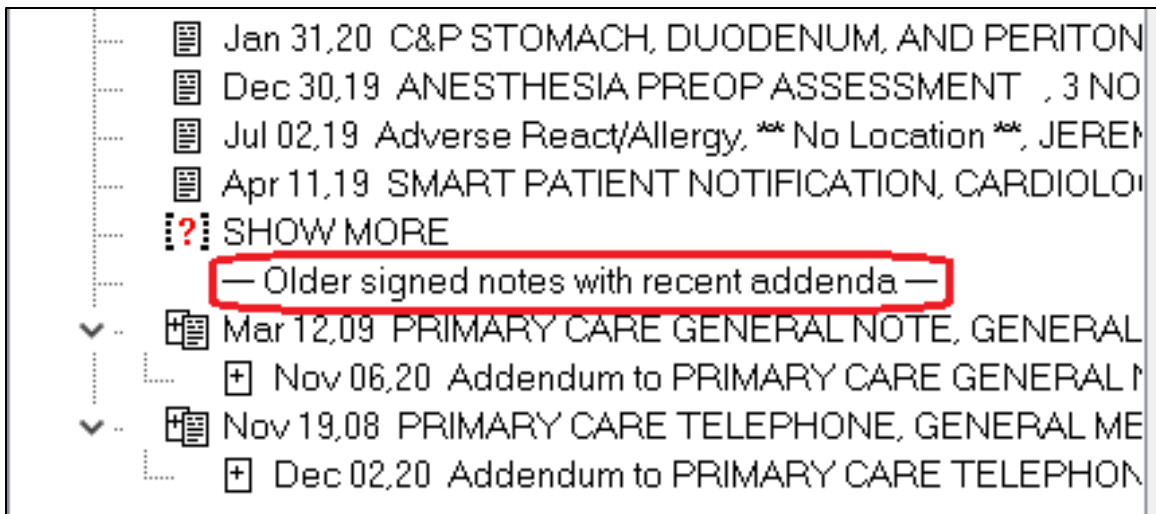


- **Older signed notes with recent addenda:** Sometimes one or more notes outside the maximum range will have an addendum inside the range. These notes are added to the bottom of the list, under the date of the parent note.

In the example below, the last two notes have recent addenda but are well outside the range of the rest of the notes. This makes it appear that there are no notes between the last normal note (dated April 2019) and the older parent note with the recent addendum (dated March 2009).



To prevent the appearance of a gap in notes, these older notes are now separated from the rest of the notes after the “Show More” entry, marked with the label, “Older signed notes with recent addenda”, as shown in the screenshot below:

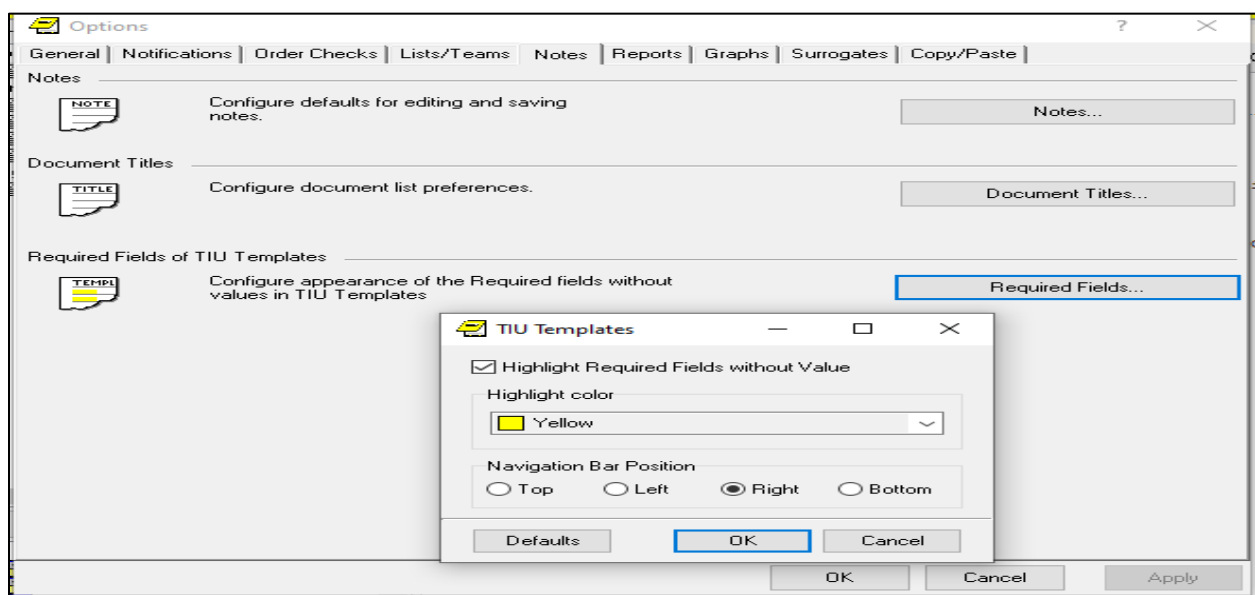


As shown above, both Show More and Older signed notes with recent addenda can be in the tree view.

4.2.8. Identify Required Fields in TIU Note Templates and Notify of Missing Required Fields (NSR 20100706)

CPRS can now identify unanswered required fields when a user is attempting to submit a note. A Required Fields Navigation Panel has been added to the TIU templates and unanswered required fields can be highlighted in a different color.

You can choose the navigation panel position, select the highlight color of the unanswered required fields and disable highlighting by accessing **Tools | Options | Notes** and clicking on the **Required Fields** button, which will display the TIU Templates screen, as shown in the screenshot below:



The navigation bar on the TIU note template (highlighted in red in the screenshot below) provides a count of all unanswered required fields and provides navigation buttons to allow the user to jump directly to the required field. In addition to the * used to identify required fields, all incomplete required fields are highlighted within the template, as shown in the screenshot below.

Once the required field is filled in, the counter will reduce and the highlight for the field will be removed. You can change the highlight color and navigation bar position by right-clicking on the template.

4.2.9. Create Separate Alert for Prosthetics (NSR 20110210)

CPRS now enables a separate update alert for prosthetics requests that can be configured at the user or team level, separately from other consult alerts. It essentially moves all the "Add Comment" alert traffic for prosthetics consults into its own alert. It looks and functions the same as the current "Add Comment" (CONSULT/REQUEST UPDATED) alert.

A new notification, PROSTHETICS CONSULT UPDATED, has been added to the CPRS v32a release. It gets generated whenever users add comments to or take the schedule action for a prosthetics consult in the CPRS GUI.

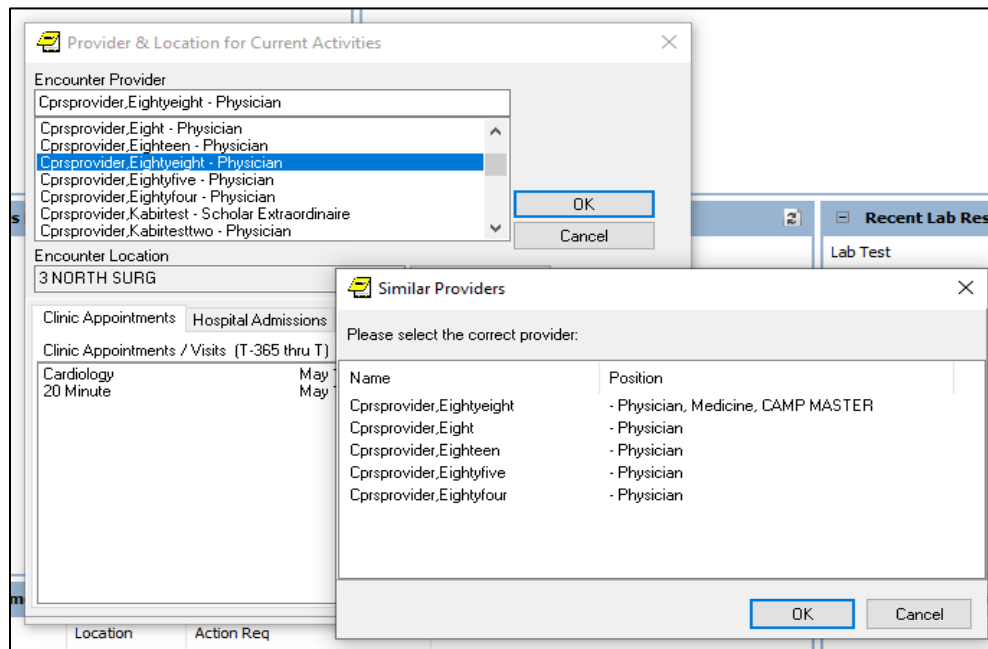
A screenshot of the Prosthetics alert is displayed below.

Location	Urgency	Alert Date/Time	Message	Forwarded By/When
3E NORTH	low	02/24/2016@12:24	Comment Added to Consult PROSTHETICS REQUEST	
3E NORTH	low	02/09/2016@12:40	Comment Added to consult PROSTHETICS REQUEST	

4.2.10. Confirm Provider Selected with Similar Names (NSR 20110606)

CPRS has been modified to prompt the user for confirmation when providers with similar names are selected.

If the last name and the first two letters of the first name match another provider, CPRS will display the Similar Providers screen, which will prompt the user to select the right provider from a list of providers with similar names, as shown in the screenshot below. This functionality exists in thirty-seven areas of CPRS, but it always works the same way.



4.2.11. Limiting Additional Signers List (NSR 20120101)

CPRS now provides the ability to limit the names displayed to the user in a CPRS-presented drop-down list. It uses data from File #200 to display and allow selection of only active users who have CPRS COR tab access.

The new parameter, OR CPRS USER CLASS EXCLUDE, is being utilized to limit additional signers and has been created to store an ASU User Class. Sites can set this parameter to a new or existing ASU User Class. For example, if OR CPRS USER CLASS EXCLUDE is set to the ASU User Class, Clinical Dietician, the result is that all users in the Clinical Dietician ASU User Class will no longer get listed in the Additional Signers user selection box in CPRS.

4.2.12. Nature of Order Default (NSR 20120601)

Sites can now select a default (Verbal|Telephone|Policy) for the nature of order or leave the default blank and require the user to select a method. This default selection can be done at the user or system level through the OR NATURE DEFAULT parameter. The nature of order options are highlighted in yellow in the screenshot.

Review / Sign Changes (NINETYNINE,OUTPATIENT - 666-00-0699)

All Orders Except Controlled Substance EPCS Orders

My Unsigned Orders - This Session

☒ ACETAMINOPHEN TAB 650MG PO Q4H PRN For fever >101 *UNSIGNED*

For orders, select from:

☐ Signed on Chart ☒ Release to Service

☐ Hold until Signed ☒ Verbal ☐ Telephone ☐ Policy

OK Cancel

4.2.13. VistA Evolution Anatomic Pathology Order Dialogs (NSR 20140511)

NOTE: The Anatomic Pathology Order Dialog functionality is not currently available but will be available soon. Sites will be notified when this feature becomes available.

Anatomic Pathology (AP) laboratory service now has a mechanism for clinicians to provide required patient-, procedure-, and specimen-specific information to facilitate specimen processing by pathologists.

A new Anatomic Pathology Order Dialog is available with the following available order types:

- Bone Marrow
- Bronchial Biopsy
- Bronchial Cytology
- Dermatology
- Fine Needle Aspirate
- Gastrointestinal Endoscopy
- General Fluid
- Gynecology (Pap Smear)
- Renal Biopsy
- Tissue Exam
- Urine
- Urology, Bladder/Ureter
- Urology, Prostate

When opening the Anatomic Pathology order dialog, you must first select one of the available order types, such as seen below, for example Bone Marrow, Bronchial Biopsy.

Anatomic Pathology Ordering

Available Orders

- BONE MARROW
- BRONCHIAL BIOPSY
- BRONCHIAL CYTOLOGY
- DERMATOLOGY
- FINE NEEDLE ASPIRATE
- GASTROINTESTINAL ENDOSCOPY

Urgency: ROUTINE

Collection Date/Time: []

Specimen Submitted E: []

Collection Type: []

How Often?: ONE TIME

How Long?: []

Surgeon/Provider: []

Send Patient to Lab: []

Order Comment: []

At least one specimen along with a specimen description is required to process an order.

Accept Order

Quit

Because each order type may require different information, different order dialog fields display when the user selects an order type.

Common areas of Anatomic Pathology Order dialogs are listed below:

The screenshot shows the 'Anatomic Pathology Ordering' window. It features a list of available orders on the left, including 'BONE MARROW', 'BRONCHIAL BIOPSY', 'BRONCHIAL CYTOLOGY', 'DERMATOLOGY', 'FINE NEEDLE ASPIRATE', and 'GASTROINTESTINAL ENDOSCOPY'. The 'BONE MARROW' order is selected. The main area contains several fields: 'Urgency' (ROUTINE), 'Collection Date/Time' (NOW), 'Specimen Submitted By' (empty), 'Surgeon/Provider' (empty), and 'Order Comment' (empty). Below these is a table of specimens with one entry: 'BONE MARROW'. To the right of the table is a 'Delete' button. Below the table is a section for 'Specimen Description/Anatomic Site' with a text field containing 'BONE MARROW' and a 'Delete' button. Below this is a section for 'Specimen' with a text field containing 'BONE MARROW' and a 'Source' dropdown. To the right of the 'Specimen' section is a 'Specimen Type' section with radio buttons for 'Aspirate' and 'Core Biopsy'. At the bottom is a 'Clinical History' section with a text area. The bottom of the window has a status bar with 'BONE MARROW AP SPECIMEN BONE MARROW Ward Collect' and 'Accept Order' and 'Quit' buttons.

1. Order-specific fields such as Urgency and Collection Date/Time.

2. List of Specimens for this order.

3. The Current Specimen being viewed in box 4.

4. Specimen-specific fields, such as the Specimen Description/Anatomic Site and Collection Sample.

5. Button to delete the current specimen.

6. Several Multiple tabs to enter free text fields, such as Clinical History.

1. Order-specific fields such as Urgency and Collection Date/Time.
2. List of Specimens for this order.
3. The Current Specimen being viewed in box 4.
4. Specimen-specific fields, such as the Specimen Description/Anatomic Site and Collection Sample.
5. Button to delete the current specimen.
6. Several Multiple tabs to enter free text fields, such as Clinical History.

Some dialogs have a “+” button at the top of the list of specimens. Other dialogs have a dropdown list to add an additional specimen. Each dialog has a different set of specimen-specific fields. Some dialogs have additional Clinical History fields.

When you click Accept Order, CPRS displays a preview dialog with all the order details displayed.

Preview

GYNECOLOGY (PAP SMEAR) ROUTINE Ward Collect

#	Specimen	Description	Collection Sample
1	CERVICAL CYTOLOGIC MATERIAL	CERVICAL CYTOLOGIC MATERIAL Thin Prep/Liquid based	AP SPECIMEN
2	VAGINAL-CERVICAL CYTOLOGIC MATERIAL	VAGINAL-CERVICAL CYTOLOGIC MATERIAL Thin Prep/Liquid based	AP SPECIMEN

Clinical History

Visit Type

Medically Indicated/Diagnostic

Menstrual Status

Postmenopausal

Hormone Therapy

Hormone Replacement Therapy

Applicable History

- Hysterectomy

- Not Menstruating

Accept Order

Back

4.2.14. CPRS Modification Unified Action Profile (NSR 20130714)

NOTE: The United Action Profile is not currently available, but will be available soon. Sites will be notified when this feature becomes available.

The United Action Profile (UAP) allows providers to effectively review medications for discharge medication reconciliation. It is used to reconcile medication discrepancies. The UAP view assembles inpatient/outpatient meds in adjacent actional couplets, allowing providers to reconcile discrepancies at the time of a patient's discharge from inpatient care.

The UAP has been added to the CPRS GUI, as shown in the screenshot below, with the UAP title highlighted in red. The UAP displays a unified view of medication orders and is controlled by the OR UNIFIED ACTION PROFILE OFF site parameter.

	(INPATIENT) Apr 07, 1935 (85)	BCMA 7-D Provider:	No PACT assigned at any VA location (Inpatient) Attending:									
	<div>COVID-19 Not Tested</div>											
View Orders	<div>Unified Action Profile</div> <table border="1"> <thead> <tr> <th>Service</th> <th>Order</th> <th>Start / Stop</th> </tr> </thead> <tbody> <tr> <td>Inpt. Meds</td> <td>PSEUDO 60/TRIPROLDINE 2.5MG TAB ONE TABLET PO QDAY</td> <td>Start: 01/06/21 09:00</td> </tr> <tr> <td>Out. Meds</td> <td>PSEUDO 60/TRIPROLDINE 2.5MG TAB TAKE ONE TABLET BY MOUTH EVERY DAY AS NEEDED Quantity: 30 Refills: 2</td> <td></td> </tr> </tbody> </table>			Service	Order	Start / Stop	Inpt. Meds	PSEUDO 60/TRIPROLDINE 2.5MG TAB ONE TABLET PO QDAY	Start: 01/06/21 09:00	Out. Meds	PSEUDO 60/TRIPROLDINE 2.5MG TAB TAKE ONE TABLET BY MOUTH EVERY DAY AS NEEDED Quantity: 30 Refills: 2	
Service	Order	Start / Stop										
Inpt. Meds	PSEUDO 60/TRIPROLDINE 2.5MG TAB ONE TABLET PO QDAY	Start: 01/06/21 09:00										
Out. Meds	PSEUDO 60/TRIPROLDINE 2.5MG TAB TAKE ONE TABLET BY MOUTH EVERY DAY AS NEEDED Quantity: 30 Refills: 2											
Write Delayed Orders												

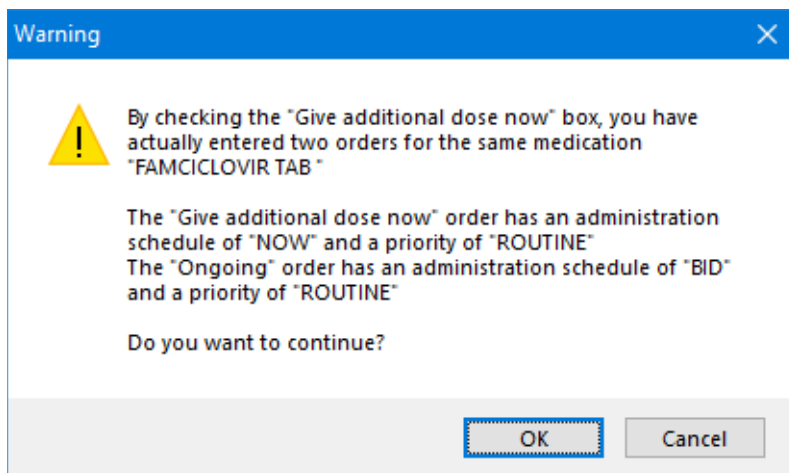
You can access the UAP through the View menu:

File	Edit	View	Action	Options	Tools	Help
	Chart Tab	>				No PA
	Information	>	NSMEYER,BRIAN			(Inpati
	Active Orders (includes pending, recent activity)					COVID
	Current Orders (active/pending status only)					
	Auto DC/Release Event Orders					
	Expiring Orders					
	Unsigned Orders					
	Recently Expired Orders					
	Custom Order View...					
	Save as Default View...					
Return to Default View						
Details...						
Results...						
Results History...						
Unified Action Profile (UAP)						

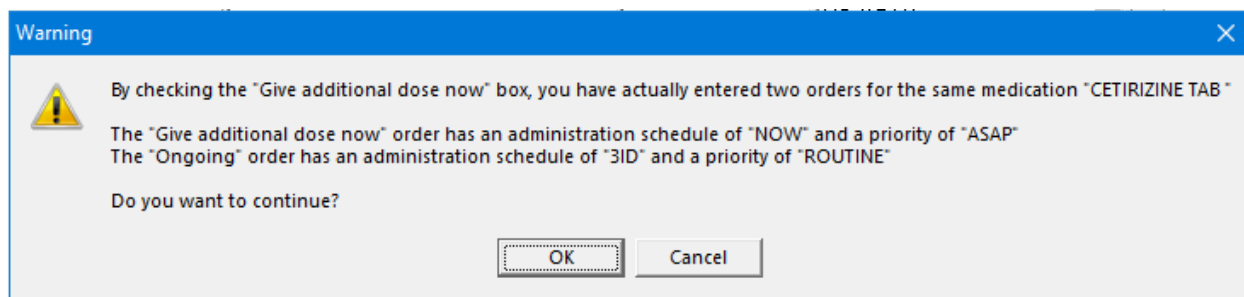
4.2.15. First Dose Now (NSR 20130802)

There has been a change to First Dose NOW. Before the CPRS v32a release, if a dose was ordered NOW in addition to a scheduled dose, both orders would have the same priority. However, in CPRS v32a, the dose ordered NOW has a priority of STAT* while the remaining doses are given the requested priority. The priority is stored in the ORDER URGENCY file and it defaults to ASAP. Otherwise, it is stored in the Kernel Site Parameters file under ORDER URGENCY ASAP ALTERNATIVE.

The confirmation dialog wording has changed for First Dose NOW. Here is the wording before the CPRS v32a release:



And here is the wording for CPRS v32a:



Before the CPRS v32a release, the signed First Dose order looked like this:

Active Orders (includes Pending & Recent Activity) - ALL SERVICES		
Service	Order	Start / Stop
Inpt. Meds	FAMCICLOVIR TAB 250MG PO NOW	Start: 01/05/21 13:34
	FAMCICLOVIR TAB 250MG PO BID	Start: 01/05/21 17:00

In CPRS v32a, the signed First Dose order looks like this:

Active Orders (includes Pending & Recent Activity) - ALL SERVICES		
Service	Order	Start / Stop
Inpt. Meds	CETIRIZINE TAB 20MG PO NOW ASAP	Start: 01/05/21 11:51
	CETIRIZINE TAB 20MG PO 3ID	Start: 01/05/21 16:00

4.3. Patient Safety Issues

- HITPS-294/307:** Progress Notes not ALL being displayed.
Resolution: This issue was corrected in NSR 20070817 – Progress Notes Display Misleading.
- HITPS-397:** Progress Notes Misleading.
Resolution: This issue was corrected in NSR 20070817 – Progress Notes Display Misleading.
- HITPS 1963:** Unauthorized provider who attempted to order Clozapine bypassed alert and assumed the medication had been ordered
Resolution: Enhanced the messaging. Clarified the message that the user is not authorized to order Clozapine.
- HITPS 1519:** VBEC BLOOD BANK order dialog changes.
Resolution: The CPRS GUI was modified to clearly specify that the date/time is applied to all components. Dialog form was updated to work with font sizes 8 through 14.
- HITPS 799:** Display of Non-VA meds confusing to provider when renewing, reviewing or discontinuing meds.
Resolution: On the Orders tab, a “Documentation” title was added to Non-VA Meds text:

Service	Order	Start / Stop	F	Nurse	Clerk	Chart	Status	L...
Non-VA Meds (Documentation)	Non-VA ABACAVIR TAB 300MG TAKE ONE TABLET BY MOUTH 3ID FOR 3 DAYS AND TAKE TWO TABLETS BY MOUTH 3ID FOR 3 DAYS THEN TAKE ONE TABLET BY MOUTH 5XID Dec 09, 2020 Patient wants to buy from Non-VA pharmacy.	Start: 12/09/20	Ar				active	3 Ni
	Non-VA AMOXICILLIN CAP ORAL 500MG TAKE 1 CAPSULE BY MOUTH EVERY 8 HOURS Nov 17, 2020 Patient wants to buy from Non-VA pharmacy. WITH PLENTY OF WATER Indication: UPPER RESPIRATORY TRACT INFECTION	Start: 11/17/20	Ar				active	3 Ni
	Non-VA ACARBOSE TAB 25MG TAKE ONE TABLET BY MOUTH TWICE A DAY		Cr				active	45 F

On the Meds tab, a “Documentation” title was added to the Non-VA Medications section header:

Vista CPRS in use by: Cprspvdr,Seventeen

File Edit View Action Tools Help

BCMA,EIGHTY 3 PDMP MHV VistAWeb Postings
Query Pt Insur Flag Remote Data ? A

COVID-19 Not Tested

Sort by Status/Exp. Date (Clinic Orders first on Inpt)

Action	Inpatient Medications	Stop Date	Status	Location
	CEFAZOLIN 11 GM in DEXTROSE 20% 500 ML IV QAM INFUSE OVER 11 MINUTES Indication: FOR BACTERIAL INFECTIONS	12/11/20	Non-Verified	Audiology

Action	Non-VA Medications (Documentation)	Start Date	Status
	Non-VA ACARBOSSE 25MG TAB 25MG MOUTH TWICE A DAY		Active
	Non-VA AMOXICILLIN 500MG CAP	11/17/20	Active

Action	Outpatient Medications	Expires	Status	Last Filled	Refills Ren
	SIMVASTATIN 5MG TAB Qty: 30		Pending		

Cover Sheet Problems Meds Orders Notes Consults Surgery D/C Summ Labs Reports

On the Meds tab, “Document Non-VA Meds” was added to the Action and right-click menus:

File Edit View Action Tools Help

BCMA,EIGHTY

Sort by Status/Exp. Date (Clinic Orders first on Inpt)

Action	Inpatient Medications
	ACEBUTOLOL CAP,ORAL Give: 200MG PO BID
	DEXTROSE 10% IN WATER (PART. FILL) INJ,SOLN V
	ABACAVIR TAB Give: 600MG ORALID PER 6XD
	FENTANYL INJ SOLN Give: 100MG/2ML IM 3ID
	ABACAVIR SOLN,ORAL Give: 100MG/5ML PO 3ID
	SAQUINAVIR (INVIRASE) CAP,ORAL Give: 200MG PO BID
	AMOXICILLIN CAP,ORAL Give: 4000MG PO Q8H
	OXYCODONE 5MG/ACETAMINOPHEN 325MG TAB Give: 1 TABLET PO Q1H
	HYDROMORPHONE TAB

Right-click menu options:

- New Medication...
- Change...
- Discontinue Order
- Release Hold...
- Hold...
- Renew...
- Copy to New Order...
- Transfer to...
- Refill...
- Document Non-VA Meds**
- One Step Clinic Admin
- Park
- Unpark (Generates a request to Fill/Refill)

Apr 07, 1936 (81) Provider: (Inpatient) Attending: Cprspvdr,One - (

Sort by Status/Exp. Date (Clinic Orders first on Inpt)

Action	Inpatient Medications	Stop Date	Status
	ACEBUTOLOL CAP,ORAL Give: 200MG PO BID		Pending
	DEXTROSE 10% IN WATER (PART. FILL) INJ,SOLN V		Pending
	ABACAVIR TAB Give: 600MG ORALID PER 6XD		Pending
	FENTANYL INJ SOLN Give: 100MG/2ML IM 3ID		Pending
	ABACAVIR SOLN,ORAL Give: 100MG/5ML PO 3ID		
	SAQUINAVIR (INVIRASE) CAP,ORAL Give: 200MG PO BID		
	AMOXICILLIN CAP,ORAL Give: 4000MG PO Q8H		
	OXYCODONE 5MG/ACETAMINOPHEN 325MG TAB Give: 1 TABLET PO Q1H		
	HYDROMORPHONE TAB		

Right-click menu options:

- Details...
- Administration History...
- Change...
- Discontinue...
- Refill...
- Renew...
- Document Non-VA Meds**
- New Medication...
- Park
- Unpark (Generates a request to Fill/Refill)

- **HITPS-7541:** Medication order details with incorrect dispensed drug.
Resolution: Corrected a problem introduced by Nurse Verification changes done in OR*3*413. User can now see the Medication Order Details with the correct dispensed drug.

- **HITPS-7551:** Inpatient order was for valproic acid, dispense drug came through as trazodone.
Resolution: Same as the resolution for HITPS-7541.
- **HITPS 1842:** Always show flagged orders on active and current views.
Resolution: Fixed in NSR 20110719 – Order Flag Recommendations

4.4. Defect Tracking System Items

1. INC13521395 - CPRS RTC Order Rejected Due to Today in the Date field
Problem: When creating an RTC order with a date of TODAY or t (lowercase T), the order is rejected.
Resolution: The RTC form now converts dates of TODAY or t to T (uppercase t).
2. INC15380193 - Prosthetics consults requiring Clinically Indicated Date
Problem: When processing a prosthetics consult quick order that is not an auto-accept quick order, the CID field is enabled and mandatory. The CID should not be enabled when placing prosthetics consult orders as that date is not used in downstream processing of prosthetics consults.
Resolution: The CID field has been restored to being disabled when processing any/all types of prosthetics consult orders.
3. INC000000069337 FAR-1100-41820 PPD Reminder Dialog does not send over a 0 reading VISTAOR-22049 <SYNTAX>PROCESS+10^ORB3FUP1 Error When Viewing Notification From the All Current Notifications Dialog
Problem: Dialog progress note text is not displaying PPD skin test reading in mm when completed. When a user who is not the recipient of the “Pregnant. Potentially harmful medication. Counsel risk/benefit.” Notification attempts to view that notification from the All Current Notifications dialog, this error is generated.
Resolution: The code called by the View button in the All Current Notifications dialog was modified to no longer generate the error.
4. INC15619999 - IOW - CPRS v31MA - couple of users that get an CRC: E24FCC35 error when using copy/pasting in to Reminder Dialog
INC15665178 - CPRS v31MA: Copying and pasting data in the Reminder Dialog for the KC-PRIOR APPROVAL/NONFORMULARY CONSULT NOTE
INC16364483 - CPRS v31MA- CPRS issues: Pharmacy Special Medication Request Reminder Dialog - Error CRC: EEDFAE4
ICN12220159 – Get kicked out of CPRS, After recent changes CPRS, several times (but not all) when I try to copy and paste
Problem: In certain circumstances, when a user is attempting to copy text into the CPRS GUI, the user will receive an access violation error.
Resolution: This issue was caused by a defect in CPRS's memory cleanup. The cleanup code has been corrected to prevent the error.

5. INC13146720 CPRS Issue with Nurse Verified Orders
INC13724258 Medication Order Details with Incorrect Dispensed Drug
INC13848885 CPRS Issue with Nurse Verified Orders – When a nurse goes to verify an order in CPRS, sometime the wrong dispense drug
INC14130255 Order Detail in CPRS Showing Different Dispense Drug from Ordered Drug

Problem: When a nurse goes to verify an order in CPRS, the wrong dispense drug was showing up. If two orders are selected in the verification process followed by the order details of the first order, the dispense drug that showed up was for the second order. This issue was introduced by OR*3*413.

Resolution: In routine ORCACT0, the global ^TMP("PS",\$J) gets created but was not cleaned up after use. A kill statement was added to clean up the global.

4.5. Known Issues

1. VISTAOR-26366 Fix Patient Selection on Personal Lists Screen
Description: If you go to **Tools | Options | Lists/Teams | Personal Lists**, you will see a dialog where you can select different patients. In CPRS v31MA, when you enter the last name initial and the last four digits of the SSN to pick a patient (in the same way that you do it on the Patient Selection screen), the system selects the desired patient. But in CPRS v32a, the system doesn't do anything.
Workaround: In the Personal Lists window, click on the Patient radio button. Enter the last name initial and the last four SSN digits and then, click on the Tab key. This issue was found during CPRS v32a production testing in Philadelphia. It will be resolved in CPRS v32b.

5. New Parameters

CPRS v32a has new parameters from the CPRS (parameters that start with OR) package.

- OR CPRS USER CLASS EXCLUDE
- OR FLAG ORDER EXPIRE DEFAULT
- OR NATURE DEFAULT
- OR SIMILAR NAMES ENABLED
- OR UNFLAGGING MESSAGE
- OR UNFLAGGING RESTRICTIONS
- ORQQXQ SURROGATE DEFAULTS

6. Modified Parameters

- ORB ARCHIVE PERIOD
- ORB DELETE MECHANISM

- ORB FORWARD BACKUP REVIEWER
- ORB FORWARD SUPERVISOR
- ORB FORWARD SURROGATES
- ORB PROCESSING FLAG
- ORB PROVIDER RECIPIENTS
- ORB URGENCY
- ORQQCN CTB PATH
- ORQQCN DST CONS DECISION
- ORQQCN DST CONS SAVE
- ORQQCN DST PATH
- ORQQCN DST PROD URL
- ORQQCN DST TEST URL
- ORQQCN DST/CTB FEATURE SWITCH

7. Product Documentation

The following documents apply to this release:

- *Adverse Reaction Tracking User Manual*
- *CPRS User Guide: GUI Version*
- *CPRS Technical Manual: GUI Version*
- *CPRS GUI v32a Release Notes (this document)*
- *CPRS GUI v32a Deployment, Installation, Back Out and Roll Back Guide*
- *Consult/Request Tracking User Manual*
- *Consult/Request Tracking Technical Manual*
- *Mental Health and Mental Health Assistant Version 3 Technical Manual/Security Guide*
- Online Help System